

Product datasheet for **RG228103**

MOSMO (NM_001164579) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MOSMO (NM_001164579) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MOSMO
Synonyms: ATTHOG; BC030336; C16orf52
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG228103 representing NM_001164579
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAAACTGACCATCATCTCAGGATGTCTCTTTCTGGCCGCCGATATCTTCGCCATCGCCAGCATCG
CCAACCCGGACTGGATCAACACCCGGGAGTCTGCGGGAGCACTACTGTGGCCTCGTGCACAGTGCA
AACATCCATGGACGAGACCGGACGTGCATCCCTCCCCGGCTCCCCGGAGTGGGTACCACACTGTTT
TTTATCATCATGGGAATCATTTCATTGACTGTCACATGTGGTTTGTGGTGGCTCCCACTGGCGAAGAG
AAGCTACAAAATATGCTCGATGGATAGCATTCACTGGAATGATCCTTTTCTGTATGGCTGCCCTAATATT
TCCAATAGGATTTTACATCAATGAAGTCGGAGGTCAACCTTATAAATTACCAACAACACAGTAGTTGGG
TCATCATATGTACTTTTTGTCTTATCAATTTTCTTACAATAGTAGGACTTCTATTTGCTGGCAAAGTTT
GTTTACCAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228103 representing NM_001164579
Red=Cloning site Green=Tags(s)

MDKLTIIISGCLFLAADIFAIASIANPDWINTGESAGALTVGLVRQCQTIHGRDRTCIIPRLPPEWVTTLF
FIIMGIISLTVTCGLLVASHWRREATKYARWIAFTGMILFCMAALIFPIGFYINEVGGQPYKLPNNTVVG
SSYVLFVLSIFFTIVGLLFAGKVCLPG

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001164579.2</u>
RefSeq Size:	4445 bp
RefSeq ORF:	504 bp
Locus ID:	730094
UniProt ID:	<u>Q8NHV5</u>
Cytogenetics:	16p12.2
Gene Summary:	Acts as a negative regulator of hedgehog signaling probably by promoting internalization and subsequent degradation of smoothened protein (SMO) present in the ciliary membrane. Plays a role in sonic hedgehog (SHH)-induced spinal neural progenitor cells differentiation. [UniProtKB/Swiss-Prot Function]